

Plan of Study

Biology

with Biology Education Specialization

Catalog Year: 2023-2024

Sample Schedule: students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in *four years*.

FIRST YEAR

First Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|--|----------------------------------|-----------|---------------------|
| *Biology Core (21 credits) | | | |
| BIOL 151 General Biology I & Lab | | 4 | F |
| CSC 105 Introduction to Computers | | 3 | F/S/SU |
| Written Communication Requirement | | 3 | F/S/SU |
| Mathematics Requirement | Placement Reports | 3 | F/S/SU |
| EDFN 338 Foundations of American Education | College of Education Requirement | 2 | F/S/SU |
| *BIOL 145 Intro to Scientific Inquiry | | 1 | F |
| | Total Credit Hours | 16 | |

Second Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|--|--|-----------|---------------------|
| BIOL 153 General Biology II & Lab | | 4 | S |
| Oral Communication Requirement | | 3 | F/S/SU |
| SPED 100 Intro to Persons with Exceptionalities | | 3 | F/S/SU |
| CSC 123 Prob Solving & Prog. or CIS 130 Visual Basic Program | | 3 | F/S/SU |
| EPSY 210 Lifespan Development | Goal 3 General Education & COE Requirement | 3 | F/S/SU |
| SPED 100-Intro to Persons with Exceptionalities | | 3 | F/S/SU |
| | Total Credit Hours | 16 | |

SECOND YEAR

Third Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|---|---|-----------|---------------------|
| *BIOL 280 Inquiry and Analysis in Biology & Lab | BIOL 151 or BIOL 153 | 2 | F |
| *BIOL 331 Microbiology & Lab | BIOL 151 | 4 | F |
| INED 211 SD American Indian Culture | Goal 3 of General Education & COE Requirement | 3 | F/S/SU |
| CHEM 112 General Chemistry I & Lab | Math 114, 115, 129, 121, 123, 125 or 281 | 4 | F |
| Written Communication Requirement | ENGL 201 Recommended | 3 | F/S/SU |
| | Total Credit Hours | 16 | |

Fourth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|-------------------------------------|---|---------|---------------------|
| *BIOL 221 Human Anatomy & Lab | BIOL 151 and Lab | 4 | S |
| BIOL Elective | | 4 | |
| EPSY 302 Lifespan Development | College of Education Requirement | 3 | F/S/ SU |
| SEED 295 Practicum: Pre-Admission | College of Education Requirement | 1 | F/S |
| CHEM 114 General Chemistry II & Lab | CHEM 112; Math 114, 115, 129, 121, 123, 125, or 281 | 4 | S |

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|--------|---------------------------|-----------|---------------------|
| | Total Credit Hours | 16 | |
| | | | |

THIRD YEAR

Fifth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|---|-----------------------------------|-----------|---------------------|
| *BIOL 311 Principles of Ecology & Lab | BIOL 151 & Lab; or BIOL 153 & Lab | 4 | F Odd Years |
| BIOL 325 Physiology & Lab | BIOL 221 or 323 | 4 | |
| CIS 350 Computer Hardware | | 3 | |
| Arts & Humanities Requirement | | 3 | |
| SEED 302 Sec & Middle Level Content Major | Admitted to Teacher Ed. | 2 | F |
| | Total Credit Hours | 16 | |

Sixth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|--|-----------------------------------|-----------|---------------------|
| BIOL 303 Intro to Biological Instrumentation | BIOL 151 & Lab; and CSC 105 | 3 | S |
| *BIOL 371 Genetics | BIOL 101 & Lab; or BIOL 151 & Lab | 4 | S |
| BIOL Elective | | 4 | |
| Arts & Humanities Requirement | | 3 | |
| *BIOL 498 Undergraduate Research | Consent of the Instructor | 2 | |
| | Total Credit Hours | 16 | |

FOURTH YEAR

Seventh Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|-------------------------------------|--|-----------|---------------------|
| 1st 8 Weeks: | | | |
| SEED 440 Classroom Management | Admitted to Teacher Ed. | 2 | F/S |
| Elective | Recommend EDFN 365 + Advisor Suggestions | 8 | |
| 2nd 8 Weeks: | | | |
| SEED 450 Reading & Content Literacy | Admitted to Teacher Ed. | 3 | F/S/SU |
| SEED 488 Student Teaching | Admitted to Teacher Ed. | 2 | F/S |
| | Total Credit Hours | 15 | |

Eighth Semester

| Course | Prerequisites / Comments | Credits | Semester(s) Offered |
|-----------------------------------|---------------------------|-----------|---------------------|
| 1st 8 Weeks: | | | |
| EDFN 475 Human Relations | Admitted to Teacher Ed. | 3 | F/S/SU |
| SEED 401 Methods of Ed Technology | Admitted to Teacher Ed. | 1 | F/S |
| 2nd 8 Weeks: | | | |
| SEED 488 Student Teaching | Admitted to Teacher Ed. | 6 | F/S |
| | Total Credit Hours | 10 | |

Semester: F = Fall; S = Spring; SU = Summer; ***Information and course schedules may change. This is not a contract.***